

INTERNATIONAL SEARCH REPORT

International Application No

PT/IT2004/000378

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B21C47/04 B21C47/18 B21C47/26 B21B1/46

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B21C B21B C21D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>"ISP - THIN SLAB CHALLENGE TO NUCOR" STEEL TIMES, FUEL & METALLURGICAL JOURNALS LTD. LONDON, GB, vol. 221, no. 10, 1 October 1993 (1993-10-01), pages 416, 418-419, XP000407075 ISSN: 0039-095X the whole document</p> <p>-----</p> <p>US 4 630 352 A (GINZBURG VLADIMIR B ET AL) 23 December 1986 (1986-12-23) column 1, line 47 - column 2, line 3 column 2, line 63 - column 3, line 9; figure 1</p> <p>-----</p> <p>-/-</p>	1-3, 6
A		1, 6

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the International search

27 October 2004

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05/11/2004

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INTERNATIONAL SEARCH REPORT

National Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	WO 96/32509 A (VOEST ALPINE IND ANLAGEN ; MOSER FRIEDRICH (AT)) 17 October 1996 (1996-10-17) cited in the application page 2, paragraph 4 - page 3, paragraph 2; claims 1,11; figure 1 -----	1,6
A	DE 40 13 582 C (MANNESMANN AG) 11 July 1991 (1991-07-11) cited in the application the whole document -----	1
A	US 5 195 344 A (MASUDA SADAKAZU ET AL) 23 March 1993 (1993-03-23) column 2, line 51 - column 3, line 56; figure 1 -----	1,6
A	DATABASE WPI Derwent Publications Ltd., London, GB; AN 1986-211068 XP002302848 & SU 1 202 653 A (INST CHERNOI METALLURGII) 7 January 1986 (1986-01-07) abstract -----	1,6
A	DATABASE WPI Derwent Publications Ltd., London, GB; AN 2001-576052 XP002302849 & KR 2001 019 326 A (PO HANG IRON & STEEL) 15 March 2001 (2001-03-15) abstract -----	1,6
A	DE 85 36 151 U (BERGISCHE STAHL-INDUSTRIE) 20 February 1986 (1986-02-20) figure 1 -----	4,5
A	US 4 630 785 A (LANGEDE RUDOLF ET AL) 23 December 1986 (1986-12-23) figures 1,2 -----	4,5
A	DE 30 00 638 A (MECANARBED SA) 31 July 1980 (1980-07-31) page 6, paragraph 3; claim 1 -----	7
A	US 5 690 485 A (MANGHAM WILLIAM J ET AL) 25 November 1997 (1997-11-25) column 1, line 49 - column 2, line 46 -----	7

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Information on patent family members

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